

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| S3    | 102  | (split\$4 or seperat\$4) with (delay\$4 or shift\$4) with (scal\$4 or dilat\$4 or compress\$4 or weigh\$4) same (combin\$4 or adder\$1 or adding or summer\$1 or summation or subtract\$4) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2006/11/09<br>16:32 |
| S4    | 549  | (pair\$4 or doublet\$1) with (delay\$4 or shift\$4) with (scal\$4 or dilat\$4 or compress\$4 or weigh\$4) same (combin\$4 or adder\$1 or adding or summer\$1 or summation or subtract\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2006/11/09<br>16:49 |
| S5    | 13   | S3 and modem\$1  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2006/11/09<br>16:32 |
| S6    | 70   | S2 and modem\$1  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2006/11/09<br>16:48 |
| S7    | 13   | S4 and modem\$1  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2006/11/09<br>16:36 |
| S8    | 4635 | (375/219,220,222).OCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2006/11/13<br>15:05 |

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| S9  | 644  | (pair\$4 or doublet\$1 or split\$4 or seperat\$4) with (delay\$4 or shift\$4) with (scal\$4 or dilat\$4 or compress\$4 or weigh\$4) same (combin\$4 or adder\$1 or adding or summer\$1 or summation or subtract\$4)                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/09<br>16:58 |
| S10 | 2    | S9 and S8  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/09<br>16:57 |
| S11 | 44   | S8 and (delay\$4 or shift\$4) with (scal\$4 or dilat\$4 or compress\$4 or weigh\$4) with (combin\$4 or adder\$1 or adding or summer\$1 or summation or subtract\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/09<br>17:05 |
| S12 | 9    | S8 and (delay\$4 or shift\$4) with (scal\$4 or dilat\$4 or compress\$4 or weigh\$4 or expand\$4) near4 (tim\$3 or period\$1 or frequenc\$3) with (combin\$4 or adder\$1 or adding or summer\$1 or summation or subtract\$4)                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/09<br>17:49 |
| S13 | 138  | (delay\$4 or shift\$4) with (scal\$4 or dilat\$4 or compress\$4 or weigh\$4 or expand\$4) near4 (tim\$3 or period\$1 or frequenc\$3) with (combin\$4 or adder\$1 or adding or summer\$1 or summation or subtract\$4) same (transmi\$4 or antenna\$1) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/09<br>17:14 |
| S14 | 3528 | (375/140,141,142,144,146,147,150).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>15:06 |
| S15 | 4    | S13 and S14  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/09<br>17:45 |

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| S17 | 109  | blauvelt and predistort\$4   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/09<br>17:45 |
| S18 | 59   | (path\$1 or branch\$1) with (delay\$4 or shift\$4) with (scal\$4 or dilat\$4 or compress\$4 or weigh\$4 or expand\$4) near4 (tim\$3 or period\$1 or frequenc\$3) with (combin\$4 or adder\$1 or adding or summer\$1 or summation or subtract\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/09<br>17:50 |
| S20 | 610  | (first or main) near2 (path\$1 or signal\$1 or sequence\$1) with second \$3 near2 (path\$1 or signal\$1 or sequence\$1) with (rate\$1 or frequenc \$3 or period\$1 or tim\$3) near2 (scal\$4 or dilat\$4 or compress\$4 or broad\$5 or different) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4)                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>11:22 |
| S21 | 313  | (first or main) near2 (path\$1 or signal\$1 or sequence\$1) with second \$3 near2 (path\$1 or signal\$1 or sequence\$1) near6 (rate\$1 or frequenc\$3 or period\$1 or tim\$3) near2 (scal\$4 or dilat\$4 or compress \$4 or broad\$5 or different) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4)                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>11:22 |
| S22 | 49   | (first or main) near2 (path\$1 or signal\$1 or sequence\$1) with second \$3 near2 (path\$1 or signal\$1 or sequence\$1) near6 (rate\$1 or frequenc\$3 or period\$1 or tim\$3) near2 (scal\$4 or dilat\$4 or compress \$4 or broad\$5 or different) with (delay\$4 or shift\$4) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>15:05 |
| S23 | 162  | (first or main) near2 (path\$1 or signal\$1 or sequence\$1) with second \$3 near2 (path\$1 or signal\$1 or sequence\$1) with (rate\$1 or frequenc \$3 or period\$1 or tim\$3) near2 (scal\$4 or dilat\$4 or compress\$4 or broad\$5 or different) with (delay\$4 or shift\$4) same (adding or adder \$1 or sum\$5 or subtract\$4 or combin\$4) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>15:04 |
| S26 | 3534 | (rate\$1 or frequenc\$3 or period\$1 or tim\$3) near2 (scal\$4 or dilat\$4 or compress\$4 or broad\$5 or different or vary\$4 or variable\$1) with (delay\$4 or shift\$4) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>17:40 |

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| S27 | 8122 | (375/140,141,142,144,146,147,150,219,220,222).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>15:19 |
| S28 | 70   | S26 and S27  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>15:19 |
| S29 | 119  | (rate\$1 or frequenc\$3 or period\$1 or tim\$3) near2 (scal\$4 or dilat\$4 or compress\$4 or broad\$5 or different or vary\$4 or variable\$1) with (delay\$4 or shift\$4 or off\$2set\$4) with (replica\$1 or cop\$3 or version \$1) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4)             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>17:07 |
| S31 | 170  | (rate\$1 or frequenc\$3 or period\$1 or tim\$3) near2 (up\$2sampler\$4 or over\$2sampler\$4 or (over adj2 sampler\$4) or decimat\$4 or down\$2sampler\$4 or (down adj2 sampler\$4)) with (delay\$4 or shift\$4 or off\$2set\$4) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4)                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>17:41 |
| S32 | 120  | (rate\$1 or frequenc\$3 or period\$1 or tim\$3) near2 (scal\$4 or dilat\$4 or compress\$4 or broad\$5 or different or vary\$4 or variable\$1 or expand\$4) with (delay\$4 or shift\$4 or off\$2set\$4) with (replica\$1 or cop\$3 or version\$1) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>17:07 |
| S36 | 348  | (rate\$1 or frequenc\$3 or period\$1 or tim\$3 or over) near2 (scal\$4 or dilat\$4 or compress\$4 or broad\$5 or different or vary\$4 or variable \$1) with (delay\$4 or shift\$4) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4) same (pair\$1 or doublet\$1)                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>17:43 |
| S37 | 30   | (up\$2sampler\$4 or over\$2sampler\$4 or (over adj2 sampler\$4) or decimat \$4 or down\$2sampler\$4 or (down adj2 sampler\$4)) with (delay\$4 or shift \$4 or off\$2set\$4) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4) same (pair\$1 or doublet\$1)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>17:43 |

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| S38 | 18   | (rate\$1 or frequenc\$3 or period\$1 or tim\$3 or over) near2 (scal\$4 or dilat\$4 or compress\$4 or broad\$5 or different or vary\$4 or variable\$1 or expand\$4 or spread\$4) with (delay\$4 or shift\$4) with (adding or adder\$1 or sum\$5 or subtract\$4 or combin\$4) same (pair\$1 or doublet\$1) with antenna\$1 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/13<br>17:43 |
| S39 | 89   | spread\$4 with delay\$4 same antenna\$1 with (space or spatial\$2) near3 (cod\$4 or diversity)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>09:07 |
| S41 | 38   | spread\$4 with (space or spatial\$2) near3 (cod\$4 or diversity) with antenna\$1 near3 (transmi\$4 or emit\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>09:34 |
| S42 | 34   | spread\$4 with delay\$4 with combin\$4 same (parallel or pair\$1 or doublet\$1)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>09:36 |
| S45 | 1    | tarokh and redundancy and arq  | USPAT   | OR | OFF | 2006/11/14<br>10:07 |
| S46 | 5    | nortel and std   | USPAT   | OR | OFF | 2006/11/14<br>11:35 |
| S48 | 4    | (combin\$4 or adder\$1 or adding or addition\$1 or summer\$1 or summ\$4 or subtract\$4) with pair\$1 near3 (multiple\$1 or plurality or different) same spread near2 spectrum\$1   | USPAT   | OR | OFF | 2006/11/14<br>11:41 |
| S49 | 191  | (combin\$4 or adder\$1 or adding or addition\$1 or summer\$1 or summ\$4 or subtract\$4) with spread near2 spectrum\$1 with delay\$4  | USPAT   | OR | OFF | 2006/11/14<br>13:45 |
| S52 | 5145 | (375/354,355,359,360).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>13:11 |

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| S53 | 192  | S52 and S50   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>13:11 |
| S54 | 2    | S50 and mad\$1ox  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>13:17 |
| S55 | 1950 | (select\$4 or multiplex\$4 or choos\$4) near4 clock\$4 near2 (signal\$1 or sequence\$1) with (multiple\$1 or multi or plurality or different or several) same data\$1 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>13:22 |
| S56 | 83   | S55 and S52   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>13:23 |
| S60 | 7    | temporal\$2 near2 equal\$5 and spectral\$2 near2 equal\$5   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>17:04 |
| S61 | 281  | equal\$5 with flat near2 response\$1  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>17:05 |
| S63 | 16   | equal\$5 with distribut\$4 near4 (energ\$3 or power\$1) near4 (evenly or uniformly)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2006/11/14<br>17:06 |

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| S75 | 52  | ("dac" or "d/a" or (digital adj2 analog adj2 (convert\$3 or conversion\$1))) same (shift\$3 or delay\$3) same (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) same (diversity or redundant\$3) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 16:30 |
| S80 | 338 | (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 translat\$4 same (shift\$3 or delay\$3) same (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) same (doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3 or "the same") and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/16 17:55 |
| S86 | 795 | ("dac" or "d/a" or (digital adj2 analog adj2 (convert\$3 or conversion\$1))) same (shift\$3 or delay\$3) same (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) same (doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3 or identical\$2) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/16 18:00 |
| S88 | 243 | (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (translat\$3 or convert\$3 or conversion\$1 or compress\$4 or expand\$3 or expansion\$1 or scal\$3 or weight\$4) with (shift\$3 or delay\$3) with (identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) same (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")                                      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 16:16 |
| S89 | 14  | (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (translat\$3 or convert\$3 or conversion\$1 or compress\$4 or expand\$3 or expansion\$1 or scal\$3 or weight\$4) with (shift\$3 or delay\$3) with (identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) same (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) and (diversity or redundant\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 11:54 |
| S90 | 7   | (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (increas\$3 or decreas\$3 or higher or lower\$3 or decimat\$4 or up\$2sampl\$3 or (up adj sampl\$3) or interpolat\$4) with (shift\$3 or delay\$3) with (identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) same (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) and (diversity or redundant\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 11:58 |

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|------|------|--|---|----|-----|------------------|
| S91  | 68   | (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (increas\$3 or decreas\$3 or higher or lower\$3 or decimat\$4 or up \$2sampl\$3 or (up adj sampl\$3) or interpolat\$4) near6 (shift\$3 or delay\$3 or translat\$4) with (identical\$2 or doublet\$1 or pair\$1 or cop \$3 or replica\$1 or replicat\$3) with (combin\$3 or combination\$1 or add \$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129")            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 12:51 |
| S94  | 2374 | (375/267,299,347).OCLS.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 12:23 |
| S98  | 5    | (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (increas\$3 or decreas\$3 or higher or lower\$3 or decimat\$4 or up \$2sampl\$3 or (up adj sampl\$3) or interpolat\$4) near6 offset\$4 with (identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat \$3) with (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition \$1 or summ\$3 or summation\$1) and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 12:51 |
| S102 | 971  | discrete near2 wavelet\$1 near2 transform\$5 and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 14:27 |
| S106 | 2    | S102 and (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (convert\$3 or conversion\$1 or compress\$4 or expand\$3 or expansion\$1 or scal\$3 or weight\$4) with (shift\$3 or delay\$3 or translat\$4 or offset\$4) with (mother\$1 or identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) same (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 14:08 |
| S107 | 3884 | wavelet\$1 near2 transform\$5 and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129")   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 15:00 |

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|------|-----|--|---|----|-----|---------------------|
| S109 | 181 | wavelet\$1 near2 transform\$5 near3 (transmitt\$3 or receiv\$3 or transmission\$1) and (encod\$3 or cod\$3 or decod\$3) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2007/05/17<br>15:08 |
| S112 | 310 | (delay\$3 or offset\$4) near2 (modulat\$4 or cod\$3 or encod\$3) with (sampl\$3 or re\$2tim\$3 or rate\$1 or frequenc\$3) near3 (plurality or multiple\$1 or differ\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2007/05/17<br>15:33 |
| S113 | 940 | (identical\$2 or cop\$3 or match\$3 or replica\$4) with (delay\$3 or offset\$4 or shift\$3 or translat\$3) with (sampl\$3 or re\$2tim\$3 or rate\$1 or frequenc\$3) near3 (plurality or multiple\$1 or differ\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2007/05/17<br>16:08 |
| S114 | 120 | version\$1 near3 (delay\$3 or offset\$4 or shift\$3 or translat\$3) near7 (sampl\$3 or re\$2tim\$3 or rate\$1 or frequenc\$3) near3 (plurality or multiple\$1 or differ\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2007/05/17<br>16:10 |
| S115 | 50  | (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (convert\$3 or conversion\$1 or compress\$4 or expand\$3 or expansion\$1 or scal\$3 or weight\$4 or stretch\$3) near6 (shift\$3 or delay\$3 or offset\$4 or translat\$4) near6 (match\$3 or version\$1 or identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) with (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1 or composit\$4 or superposition\$1 or superpos\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2007/05/17<br>16:24 |
| S116 | 16  | ("dac" or "d/a" or (digital adj2 analog adj2 (convert\$3 or conversion\$1))) near6 (shift\$3 or delay\$3 or offset\$4 or translat\$4) near6 (match\$3 or version\$1 or identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) with (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1 or composit\$4 or superposition\$1 or superpos\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2007/05/17<br>16:31 |

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|------|-----|--|---|----|-----|---------------------|
| S117 | 123 | rate near3 (convert\$4 or conversion\$1) with (delay\$4 or shift\$4 or offset\$4) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>13:52 |
| S119 | 43  | (interpolat\$4 or up\$2sampl\$4 or (up adj sampl\$4) or (over adj sampl\$4)) with (delay\$4 or shift\$4 or offset\$4) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (doublet\$1 or pair\$4 or cop\$4 or duplicat\$4 or replica\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>17:25 |
| S120 | 132 | (interpolat\$4 or up\$2sampl\$4 or (up adj sampl\$4) or (over adj sampl\$4) or (rate near2 convert\$4) or (rate near2 (conversion\$1 or scal\$4 or expand\$4)) or "a/d" or "adc" or (time near2 (scal\$4 or compress\$4)) or (analog adj2 digital adj2 (convert\$4 or conversion\$1)) with (delay\$4 or shift\$4 or offset\$4) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (doublet\$1 or pair\$4 or cop\$4 or duplicat\$4 or replica\$4 or identical\$2) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>16:06 |
| S124 | 67  | ((frequency or clock\$4 or sampl\$4) near2 (conversion\$1 or scal\$4 or expand\$4 or convert\$4)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (doublet\$1 or pair\$4 or cop\$4 or duplicat\$4 or replica\$4 or identical\$2) with (shift\$4 or delay\$4 or offset\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>17:08 |
| S128 | 35  | (resolution\$1 or multi\$2resolution\$1 or (multi adj resolution\$1)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (doublet\$1 or pair\$4 or cop\$4 or duplicat\$4 or replica\$4 or identical\$2) with (shift\$4 or delay\$4 or offset\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>17:04 |
| S130 | 102 | ((frequency or clock\$4 or sampl\$4 or timing or time\$1) near2 (conversion\$1 or scal\$4 or expand\$4 or convert\$4 or stretch\$4 or compress\$4 or dilat\$4)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (doublet\$1 or pair\$4 or cop\$4 or duplicat\$4 or replica\$4 or identical\$2) with (shift\$4 or delay\$4 or offset\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>17:18 |

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| S132 | 24  | wavelet\$1 same ((frequency or clock\$4 or samp\$4 or timing or time\$1) near2 (conversion\$1 or scal\$4 or expand\$4 or convert\$4 or stretch\$4 or compress\$4 or dilat\$4) or resolution\$1) same (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) same (doublet\$1 or pair\$4 or cop\$4 or duplicat\$4 or replica\$4 or identical\$2) same (shift\$4 or delay\$4 or offset\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>17:22 |
| S134 | 243 | (interpolat\$4 or up\$2samp\$4 or (up adj samp\$4) or (over adj samp\$4)) with (delay\$4 or shift\$4 or offset\$4) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) and (redundanc\$3 or diversit\$3) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>17:31 |
| S135 | 41  | (interpolat\$4 or up\$2samp\$4 or (up adj samp\$4) or (over adj samp\$4)) with (delay\$4 or shift\$4 or offset\$4) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (pair\$1 or cop\$3 or doublet\$1 or replica\$4 or duplicat\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/23<br>17:32 |
| S136 | 58  | (interpolat\$4 or up\$2samp\$4 or (up adj samp\$4) or (over adj samp\$4)) with (delay\$4 or shift\$4 or offset\$4) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (pair\$1 or cop\$3 or doublet\$1 or replica\$4 or duplicat\$4 or identical\$2) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>10:25 |
| S137 | 173 | (diversity or redundanc\$3) with resolution\$1 near2 (high\$2 or low\$2) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>11:05 |
| S139 | 30  | resolution\$1 near2 adjust\$4 near5 (interpolat\$4 or up\$2samp\$4 or (up adj samp\$4) or (over adj samp\$4)) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>11:08 |

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| S141 | 76  | (interpolat\$4 or up\$2sampler\$4 or (up adj sampler\$4) or (over adj sampler\$4) or (sampler\$4 near2 (rate\$1 or frequenc\$3)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) same (diversity or redundanc\$3) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>11:24 |
| S142 | 158 | (interpolat\$4 or up\$2sampler\$4 or (up adj sampler\$4) or (over adj sampler\$4) or (sampler\$4 near2 (rate\$1 or frequenc\$3)) or ((frequenc\$3 or rate\$1) near2 (convert\$4 or conversion\$1)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) same (diversity or redundanc\$3) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>11:32 |
| S143 | 85  | (frequenc\$3 or rate\$1) near2 (convert\$4 or conversion\$1) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) same (diversity or redundanc\$3) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>13:44 |
| S145 | 25  | (frequenc\$3 or rate\$1) near2 (convert\$4 or conversion\$1) near5 (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) near6 (pair\$1 or replica\$4 or duplicat\$4 or cop\$3 or doublet\$1) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>13:46 |
| S146 | 32  | (frequenc\$3 or rate\$1) near2 (convert\$4 or conversion\$1) near5 (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) near6 (pair\$1 or replica\$4 or duplicat\$4 or cop\$3 or doublet\$1 or identical\$2) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>15:20 |
| S149 | 714 | (time or delay\$3 or phase) near3 (diversity or redundancy) with (plurality or multiple\$1 or pair\$1 or replica\$4 or duplicat\$4 or cop\$3 or doublet\$1 or identical\$2) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>15:23 |
| S150 | 185 | (time or delay\$3 or phase) near3 (diversity or redundancy) with (pair\$1 or replica\$4 or duplicat\$4 or cop\$3 or doublet\$1) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>17:15 |

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| S153 | 655 | S152 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>15:47 |
| S156 | 4   | spread\$4 near2 factor\$1 near3 less near2 one  | US-PGPUB;<br>USPAT; USOCR                             | OR | OFF | 2008/01/24<br>16:16 |
| S157 | 118 | spread\$4 near2 factor\$1 near6 period\$1   | US-PGPUB;<br>USPAT; USOCR                             | OR | OFF | 2008/01/24<br>16:17 |
| S164 | 222 | (time or delay\$3 or phase or multipath\$1) near3 (diversity or redundancy) same (multiple or plurality or different) near2 (rate\$1 or frequenc\$3 or period\$1 or clock\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/24<br>17:18 |
| S168 | 8   | (diversity or redundancy) same (delay\$4 or offset\$4 or (phase near2 shift\$4)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (time or timing or frequenc\$3) near2 (scal\$4 or weigh\$4 or stretch\$4 or dilat\$4 or compress\$5) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:01 |
| S175 | 347 | (diversity or redundancy) and (delay\$4 or offset\$4 or (phase near2 shift\$4)) same (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) same (time or timing or frequenc\$3) near4 (scal\$4 or weigh\$4 or stretch\$4 or dilat\$4 or compress\$5) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:14 |
| S177 | 367 | (diversity or redundancy) and (delay\$4 or offset\$4 or (phase near2 shift\$4)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (time or timing or frequenc\$3) near4 (adjust\$4 or correct\$4 or updat\$4 or vary\$4 or vari\$3 or chang\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:17 |
| S179 | 45  | (diversity or redundancy) same (delay\$4 or offset\$4 or (phase near2 shift\$4)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (time or timing or frequenc\$3 or rate\$1 or sampl\$4 or period\$1) near4 (adjust\$4 or correct\$4 or updat\$4 or vary\$4 or vari\$3 or chang\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:25 |

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| S180 | 49  | (diversity or redundancy) same (delay\$4 or offset\$4 or (phase near2 shift\$4)) with (combin\$4 or summ\$4 or summation\$1 or adding or adder\$1 or addition\$1) with (time or timing or frequenc\$3 or rate\$1 or sampl\$4 or period\$1) near4 (select\$4 or switch\$4 or assign\$4 or allocat\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:32 |
| S181 | 238 | (diversity or redundancy) near3 resolution\$1 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:39 |
| S182 | 25  | (diversity or redundancy) same doublet\$1 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:44 |
| S183 | 604 | (diversity or redundancy) same (time\$1 or timing\$1 or frequenc\$3 or rate\$1) near2 (compress\$4 or scal\$4 or dilat\$4 or stretch\$4 or expand \$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:47 |
| S184 | 21  | (diversity or redundancy) same re\$2timing\$1 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>14:05 |
| S185 | 81  | (diversity or redundancy) same (time\$1 or timing\$1 or frequenc\$3 or rate\$1) near2 (compress\$4 or scal\$4 or dilat\$4 or stretch\$4 or expand \$4) same (doublet\$1 or pair\$1 or replica\$4 or duplicat\$4 or composit \$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>13:48 |
| S191 | 685 | (diversity or redundancy) same (repeat\$4 or repet\$4) same (shift\$4 or delay\$4 or offset\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>14:16 |

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| S196 | 215  | diversity same ("d/a" or "dac" or "d-a" or digital\$2to\$2analog or (digital adj2 analog)) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>14:54 |
| S198 | 3    | wavelet near2 transform\$5 with antenna\$1 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>15:00 |
| S199 | 608  | 375/240.19  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>14:58 |
| S200 | 1569 | (375/267,299).COLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>14:59 |
| S201 | 1    | S199 and S200   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>14:59 |
| S202 | 2    | wavelet near2 transform\$5 same diversity and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>15:20 |
| S203 | 416  | wavelet near2 transform\$5 same transmit\$4 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>15:02 |

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| S204 | 6   | wavelet near2 transform\$5 same transmit\$4 same antenna\$1 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>15:04 |
| S205 | 3   | wavelet near2 transform\$5 same transmit\$4 same amplif\$4 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>15:07 |
| S206 | 373 | diversity same primary with (redundant or secondary) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>15:08 |
| S207 | 57  | diversity same primary with (redundant or secondary) same (shift\$4 or delay\$4 or offset\$4) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>15:09 |
| S209 | 6   | randy near2 young and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>16:38 |
| S210 | 3   | (over\$2sampler\$4 or (over adj sampler\$4)) with combin\$4 with (doublet\$1 or pair\$1 or dupliса\$4 or cop\$4 or replica\$4) with (delay\$4 or offset\$4 or (phase near2 shift\$4)) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>16:47 |
| S211 | 9   | (up\$2sampler\$4 or (up adj sampler\$4) or interpolat\$4) with combin\$4 with (doublet\$1 or pair\$1 or dupliса\$4 or cop\$4 or replica\$4) with (delay\$4 or offset\$4 or (phase near2 shift\$4)) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/25<br>16:48 |

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| S213 | 19  | (recording or reproduc\$4) same condition\$4 with amplif\$4 same distribut\$4 near5 (energ\$3 or power\$1) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>10:28 |
| S214 | 445 | condition\$4 near3 signal\$1 same distribut\$4 near5 (energ\$3 or power\$1) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>10:28 |
| S215 | 115 | (recording or reproduc\$4) and condition\$4 near3 signal\$1 same distribut\$4 near5 (energ\$3 or power\$1) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>11:02 |
| S217 | 250 | audio near3 signal\$1 and condition\$4 same distribut\$4 near5 (energ\$3 or power\$1) and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>11:04 |
| S219 | 7   | signal\$1 near3 condition\$4 same (time or temporal\$1) near2 equali\$5 same (frequency or spectral\$2) near2 equali\$5 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>11:08 |
| S220 | 5   | amplif\$4 with (time or temporal\$1) near2 equali\$5 with (frequency or spectral\$2) near2 equali\$5 and (@pd<"20001129" or @ad<"20001129" or @prad<"20001129" or @rlad<"20001129")                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>11:07 |
| S224 | 37  | audio near2 broadcast near2 signal\$1 near4 (block\$4 or segment\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>15:56 |

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|------|-----|---|---|----|-----|---------------------|
| S226 | 64  | audio near2 signal\$1 near4 (block\$4 or segment\$4 or portion\$1 or part\$1) with (diversity or redundant\$3)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>14:09 |
| S230 | 413 | audio near2 signal\$1 near4 (header\$1 or preamble\$1)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2008/01/28<br>15:57 |
| S233 | 960 | (pair\$1 or doublet\$1 or split\$4 or copy\$4 or replica\$4) with (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (sampl\$4 or over\$2sampl\$4 or up\$2sampl\$4 or down\$2sampl\$4 or convert\$3 or conversion\$1 or compress\$4 or expand\$3 or expansion\$1 or scal\$3 or weight\$4) with (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) same (identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2009/03/11<br>13:41 |
| S234 | 249 | (pair\$1 or doublet\$1 or split\$4 or copy\$4 or replica\$4) near6 (time\$1 or timing\$1 or clock\$3 or rate\$1 or frequenc\$3) near2 (sampl\$4 or over\$2sampl\$4 or up\$2sampl\$4 or down\$2sampl\$4 or convert\$3 or conversion\$1 or compress\$4 or expand\$3 or expansion\$1 or scal\$3 or weight\$4) near6 (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) same (identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2009/03/11<br>13:47 |
| S235 | 70  | time near2 scal\$4 near6 (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) same (identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2009/03/11<br>14:06 |
| S236 | 286 | (split\$4 or copy\$4 or duplicat\$4 or replica\$4 or pair\$1 or path\$1 or branch\$2) with ("a/d" or "adc" or digit\$4 or (sampl\$4 near2 data)) near6 (combin\$3 or combination\$1 or add\$3 or adder\$1 or addition\$1 or summ\$3 or summation\$1) same (identical\$2 or doublet\$1 or pair\$1 or cop\$3 or replica\$1 or replicat\$3) and (@pd< "20001129" or @ad< "20001129" or @prad< "20001129" or @rlad< "20001129")   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2009/03/11<br>14:43 |

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